

# S2 NetBox™ Access Control

Application Information for Version 4.0 and later

## Feature Summary

- Built-in ODBC-compliant database for personnel data
- Integrated photo ID capability with video verification
- System-wide timed anti-passback function
- Regional anti-passback with mustering and roll call functions
- Region occupancy counting
- Dual reader and keypad support by time and threat level
- “First-in-unlock” rule enforcement
- Network-secure API for external application integration
- Multiple access cards per person
- Simultaneous support for multiple card data formats
- One-click playback of access-related video
- Elevator control with optional destination direct support
- Threat level control over access levels and lockdown
- UL 294 and CE listed system configurations available
- Extensive and easy to use custom report generator
- Data Management Tool accepts CSV format data files
- Common alarm panel integration for disarm on access
- Card format decoder quickly discovers unknown card formats
- Card enrollment by reader or keyboard
- User-defined data fields in personnel records

## Overview

The S2 NetBox™ access control system is a full-featured, credential-based access control application delivered as a network appliance. Its architecture is fully distributed, with a complete database maintained on the S2 Network Controller (S2NC) and relevant data distributed to the S2 Network Nodes (S2NNs), assuring that the access control capability survives network outages. The ODBC-compliant database permits multiple cards per person and multiple card formats per system. The system is operated from a common web browser requiring no software installation or client license fees.

The access control facility integrates fully with the optional Identity Management Solution for ID photo capture and badge generation

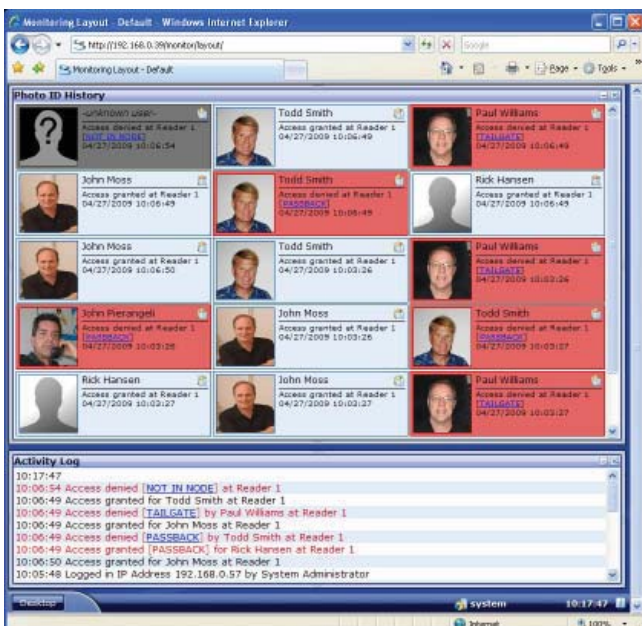
as well as with the Video Management System for access transaction recording and replay. Integration with common alarm panels includes such features as system disarm on valid access by selected people and access privileges that are enabled when a building alarm system is disarmed.

Intelligent card data downloading to network nodes and *just in time* card transmission help to assure that even the largest databases are supported on all S2 NetBox and S2 Enterprise models regardless of system size. A program is available, at no charge, to load and synchronize data with external applications using common CSV files.

Security policies and business rules can be changed based on the day of the week, time of day, holiday schedule, or instantly using the system’s threat level capability. The access privilege mechanism supports general portal and elevator access control regimes, and is integrated with threat levels and alarm panels.

Access history is stored in digitally signed archives and automatically backed up nightly to NAS or via FTP. Historical queries are run from the system’s user interface using supplied reports or the extensive report writer built into the software. Advanced users can take advantage of database views available through ODBC using such applications as Crystal Reports® and Microsoft Excel®.

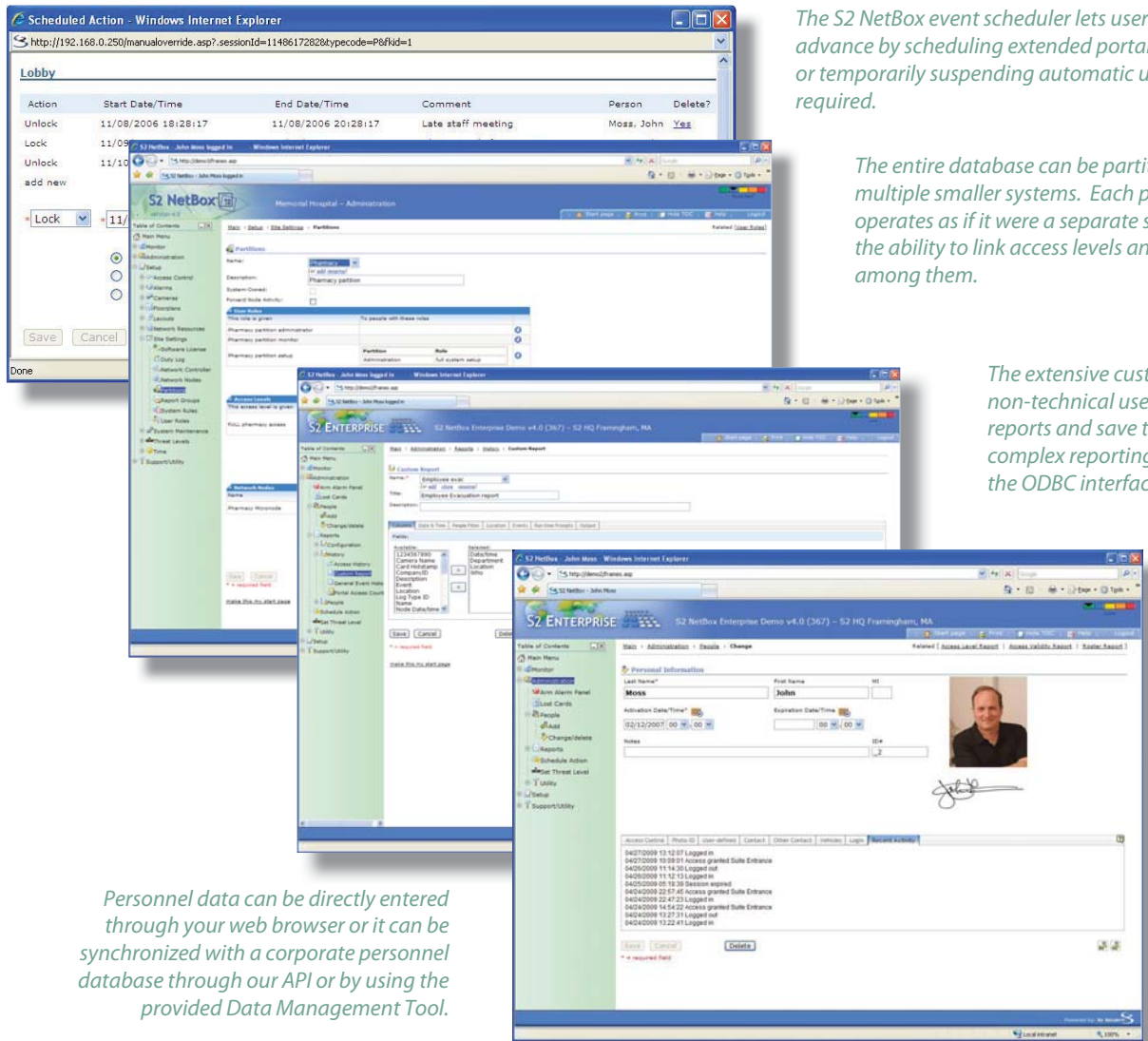
When interfacing or control through external applications is desired, the access control database can be populated using the system’s XML-based API.



Choose from a variety of real time presentations of access control.



# Access Control in Detail



The S2 NetBox event scheduler lets users plan in advance by scheduling extended portal unlocks or temporarily suspending automatic unlocks as required.

The entire database can be partitioned into multiple smaller systems. Each partition operates as if it were a separate system with the ability to link access levels and user roles among them.

The extensive custom report writer lets non-technical users design sophisticated reports and save them for reuse. The most complex reporting needs can be met by the ODBC interface.

Personnel data can be directly entered through your web browser or it can be synchronized with a corporate personnel database through our API or by using the provided Data Management Tool.

## Specifications

Card readers per S2 Network Node	14	Controlled floors per elevator	100
Network Nodes per Network Controller	32	Support for Otis Elevator Compass™ system	Optional
Card records per S2 Network Node	20,000	Access levels per person	16
Online history transactions	up to 40,000,000	Card formats per Network Node	32
Maximum card bit length	200 bits	Cards per person	100
Card readers per access control blade	2	Access levels per Network Controller	512
Relays per access control blade	4		
Keypad PIN length	up to 6 digits		

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